

Applicants: Boris Ginzburg et al.
Serial Number: 10/658,614Assignee: Intel Corporation
Attorney Docket: P-5911-USRECEIVED
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Amendments to the Claims

Please amend the claims as follows and cancel the claims marked as cancelled without prejudice or disclaimer to their filing:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) A method comprising:

activating request to send protection;
collecting a first statistic of packet error rates for request to send
frames sent and a second statistic for packet error rates for data
frames transmitted under request to send protection;
calculating a first packet error rate of request to send frames;
[[and]]
calculating a second packet error rate of data frames sent under
request to send protection;
adjusting reducing a request to send protection threshold if said
first packet error rate is below above a collision rate threshold;
and
adjusting a transmission parameter according to said second packet
error rate if said first packet error rate is below a collision rate
threshold.

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10. (Original) A method as in claim 9, wherein said activating request to send protection comprises setting request to send protection to predefined upper limit.

11. (Cancelled)

12. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises:

determining whether transmission quality is above a transmission quality threshold;
and
increasing a data rate.

13. (Original) A method as in claim 12, including:

determining whether a transmission quality is below a transmission quality threshold;
and
decreasing a data rate.

14. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises adjusting a data rate.

15. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises adjusting fragmentation.

16. (Currently Amended) A method as in claim 9, wherein said adjusting reducing request to send protection comprises deactivating said request to send protection.

17. (Currently Amended) A method as in claim [[11]] 9, further comprising:
calculating a third packet error rate for data frames sent without
request to send protection;
deriving a fourth packet error rate attributable to noise; and
adjusting a transmission parameter based on said fourth packet
error rate.

18. (Original) A method as in claim 17, wherein deriving said fourth packet error rate attributable to noise comprises:

dividing the result of

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a fifth packet error rate of transmissions without request to send protection
minus said first packet error rate of request to send frames, by, one minus
said first packet error rate of request to send frames.

19. (Cancelled)
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Cancelled)
24. (Cancelled)
25. (Cancelled)
26. (Cancelled)
27. (Cancelled)
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)
33. (Cancelled)